

## Code Modification Attachment

A request is hereby made for an appeal, interpretation or modification related to Section(s) IRC 2006 R301.3 Story Height & R602.10 Wall Bracing of the Construction Code, which require(s) that:

### **Story Height**

*R301.3 Story height*, which requires that floor framing not exceed 16 inches in height.

### **Wall Bracing**

*R602.10 Wall bracing* subsection *R602.10.5 Continuous wood structural panel sheathing*, which requires that sheathing be provided in accordance with Method 3 on all sheathable areas of all exterior walls, and interior braced wall lines, where required.

State the precise relief, remedy, or result requested:

### **Story Height**

Remedy: Permit the use of 2007 IRC Supplement *R301.3 Story height* in lieu of 2006 IRC *R301.3 Story height*.

The 2006 IRC precludes the use of 20" deep floor framing that is commonly used for residential construction in the Phoenix metropolitan area. The 2007 Supplement permits the use of 20" floor framing stating:

Individual walls or wall studs shall be permitted to exceed these limits [16" deep floor framing] as permitted by Chapter 6 provisions, provided story heights are not exceeded. Floor framing height shall be permitted to exceed these limits provided the story height does not exceed 11 feet 7 inches (3531 mm).

### **Wall Bracing**

Remedy: Permit the use of 2007 IRC Supplement *R602.10.4 Continuously-sheathed braced wall line requirements* in lieu of IRC 2006 *R602.10.5 Continuous wood structural panel sheathing*.

The 2006 IRC section R602.10.5 requires the installation of sheathing on all exterior walls of a home. The 2007 Supplement permits the continuous sheathing method of bracing to be used on a wall line-by-wall line basis.

State the factual and/or legal basis for the appeal, interpretation, or modification. If a modification is requested, include the reason(s) why the proposed modification of the code meets the intent of the code.

### **Story Height & Wall Bracing**

The 2007 IRC Supplement is a recognized model building code developed through the International Code Council's code development process. Permitting the use of provisions from the 2007 IRC Supplement is justifiable because it provides the latest development towards the code's purpose as stated in *R301.3 Purpose*.

A national builder seeks to submit home plans citing prescriptive construction methods to this city for the construction of new homes. The builder desires to employ prescriptive bracing via continuous sheathing on a wall line-by-wall line basis as a means of reducing construction costs and delays.